



311021

FOR EPA USE: Log #

Received

Permit Number

Date

File Subject

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
Division of Water Pollution Control  
Permit Section  
Springfield, Illinois 62706

RECEIVED

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

APPLICATION FOR PERMIT  
FOR  
TREATMENT WORKS OR WASTEWATER SOURCES

(Read Instruction Booklet Before Completing)

## PART II - APPLICATION FOR OPERATING PERMIT

## SECTION I - General Information

1. Name of Facility Disposal Well
2. Owner's Name and Address U. S. Industrial Chemicals Company  
Name  
Tuscola, Illinois 61953  
Street City State Zip Code
3. Plant Mailing Address P.O. Box 218 Tuscola, Illinois 61953  
Street City State Zip Code
4. County Douglas
5. Engineer Harley L. Teel 62-20995  
Name Illinois Registration Number
- Firm U. S. Industrial Chemicals Company
- Address P.O. Box 218 Tuscola, Illinois 61953  
Street City State Zip Code
- Telephone 217 253-3311  
Area Code Number

6. Construction permit issued for the construction, additions, modifications, and upgrading of this treatment works or wastewater source. Letter February 9, 1970

7. List previous operation permits issued for this facility after July 1, 1972.

None

8. Date that treatment works or wastewater source started operation, using all facilities currently at plant September 1, 1970

9. Name of certified operator in charge of this facility H. Dean Wince

**Attachments:**

1. Supplemental Information, Deep Well Operating Permit Application.
2. Internal memo entitled, "Deep Well Procedures," July 12, 1971.
3. Plans, Procedures and Specifications, January 2, 1969 (correct date should be 1970), by C. H. Hesser.
4. Deep Well History, May 27, 1970, by C. H. Hesser, page 6 (mailed to Sanitary Water Board same date).
5. Drawing No. E 25 P-5757.

## SECTION II - Effluent Data

### 1. Approved Loadings (Design)

- a. Gallons Per Day \_\_\_\_\_ GPD
- b. Pounds of BOD Per Day \_\_\_\_\_ Lbs BOD/Day
- c. Pounds Suspended Solids Per Day \_\_\_\_\_ Lbs SS/Day
- d. Population Equivalent (at .17 lb BOD/P.E.) \_\_\_\_\_ P.E.

### 2. Current Loadings

- a. Gallons Per Day \_\_\_\_\_ 350,000 \_\_\_\_\_ GPD
- b. Influent BOD Concentration \_\_\_\_\_ 335 \_\_\_\_\_ mg/l
- c. Pounds of BOD Per Day \_\_\_\_\_ Lbs BOD/Day
- d. Influent Suspended Solids Concentration \_\_\_\_\_ 66 \_\_\_\_\_ mg/l
- e. Pounds Suspended Solids Per Day \_\_\_\_\_ Lbs. SS/Day
- f. Population Equivalent (at .17 lb BOD/P.E.) \_\_\_\_\_ P.E.

### 3. History of Flows

	Year	Flow	
(a)	_____	_____	MGD
	_____	_____	MGD
	_____	_____	MGD
	_____	_____	MGD

(b) Graph of Flows (Last 12 Months)

### 4. Excess flows

- a. Number of times which flow was bypassed to excess flow treatment or bypassed raw to the waters of the State for as long as data is available \_\_\_\_\_ Times
- b. Length of time that above data covers \_\_\_\_\_ Years \_\_\_\_\_ Months

c. Average amount of flow bypassed each time \_\_\_\_\_ Million Gallons

d. Maximum amount of flow bypassed during single bypassing period \_\_\_\_\_ Million Gallons

	a	b	c	d
5. Chemical Constituents	Influent to Treatment Works	Effluent from Treatment Works	Upstream Sample	Downstream Sample
Ammonia Nitrogen (as N)				
Arsenic (Total)				
Barium				
Boron (Total)				
Cadmium (Total)				
Chloride				
Carbon Chloroform Extract				
Chromium (Total Hexavalent)				
Chromium (Total Trivalent)				
Copper (Total)				
Cyanide				
Flouride				
Iron (Total)				
Iron (Dissolved)				
Lead (Total)				
Manganese (Total)				
Mercury (Total)				
Nickel (Total)				
Oil (Hexane Soluables or Equivalent)				
pH				
Phenols				
Phosphorous (as P)				
Selenium (Total)				
Silver				
Sulfate				
Total Dissolved Solids				
Zinc (Total)				
Dissolved Oxygen				
Fecal Coliform				
Nitrites + Nitrates				

## SECTION III - Non-contact Cooling Water

1. Source of Water Intake \_\_\_\_\_

2. Discharge Quantities (Average of Last Year)

	Minimum	Average	Maximum
Flow (MGD)			
Intake Temperature (°F)			
Discharge Temperature (°F)			

3. Does maximum discharge temperature normally occur at times of maximum discharge flow?  
Yes No (Circle) If no, explain.